



ANCIENT BEAUTY
FOR MODERN BUILDINGS ~

UNION
METAL COLUMNS

Ancient Beauty for Modern Buildings



The glory of Greek and Roman architecture and the crowning beauty of homes and public buildings in our own Colonial days, were made possible by the tasteful and generous use of classical columns.

Today Union Metal furnishes architects, contractors and owners these same handsome designs in enduring pressed steel at very reasonable cost.

THE UNION METAL MANUFACTURING CO.
CANTON, OHIO

Catalog No. 50—Copyright 1923 by The Union Metal Manufacturing Co.

10-28-313319 TLF



Ancient Beauty for Modern Buildings

FOR thousands of years the world's famous architects and designers have found nothing so beautiful and worthy in building as the simple, classical column.

The beauty of these fluted columns has been made available for use on every kind of structure from the modest cottage to large public buildings, by the Union Metal principle of pressed steel column construction.

Beauty That Lasts a Lifetime

BEAUTIFUL columns on a building are the first feature to catch the eye and the one that is longest remembered. How important then that they should be made of enduring material that will not split, rot, and open up at the joints and thus mar the entire structure.

The beauty of Union Metal Columns is more than skin deep. Under the paint is a permanent metal shaft that will be just as sound and beautiful in ten, twenty, yes, thirty years, as it was the day the columns were put in place.

The Freer Use of Columns

MANY architects who fully appreciate the architectural value of columns have not used them freely in their work because of the practical difficulties in obtaining columns correct in design, permanent in construction and reasonable in cost. These three limitations are removed by Union Metal Columns—"The Ones That Last a Lifetime."

In using them architects, contractors and owners realize that their good work will be protected against the disfiguring effects of time and that the columns, the principal decorative feature of the building, will be as permanent and durable as the brick in the walls.

FOR BEAUTIFUL ENTRANCES



Practical Advantages That Commend Union Metal Columns To Architects—Contractors—Owners

1 Union Metal Columns are made from enduring, copper-bearing, galvanized steel. They are protected against all conditions of weather and Last a Life-time.

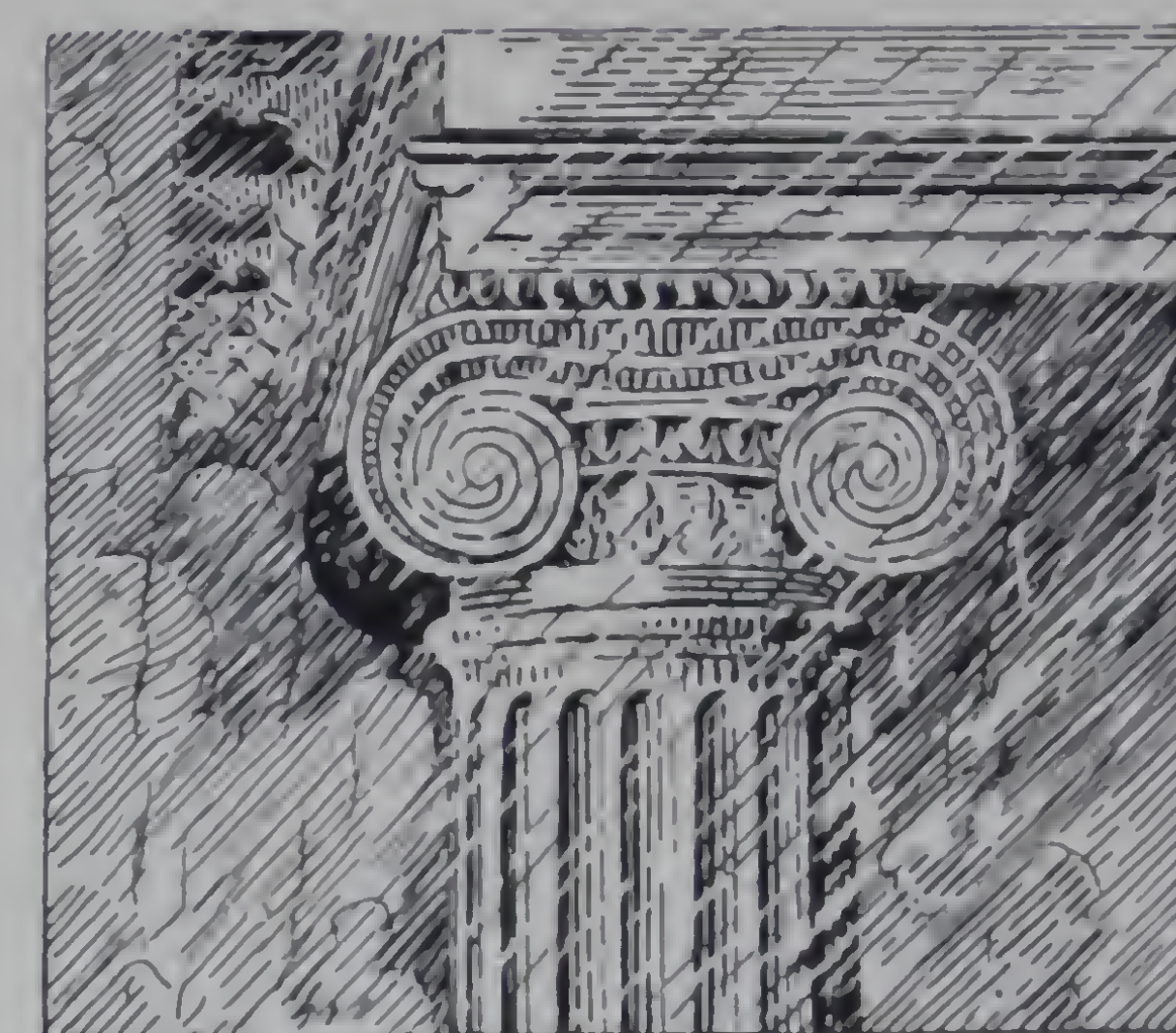
2 They are architecturally correct. Made in nine styles, conforming to the different orders of Grecian and Roman architecture. There is a design for the modest cottage or the most elaborate public building.

3 They are unquestionably the only type of column that should ever be considered, because they will not split, rot, warp or open at joints as all wood columns do. There is today no real competition for Union Metal Columns.

4 They are fireproof. The strongest and best load-bearing column made. They can be shipped and hauled to locations and under conditions where wood columns would rack to pieces and where handling cost of stone would be prohibitive.

5 Ordinary bumps, blows and rough treatment that would dent wood and chip stone columns beyond repair have no effect upon our sturdy pressed steel columns. Union Metal Columns will stand more abuse than any other type of column.

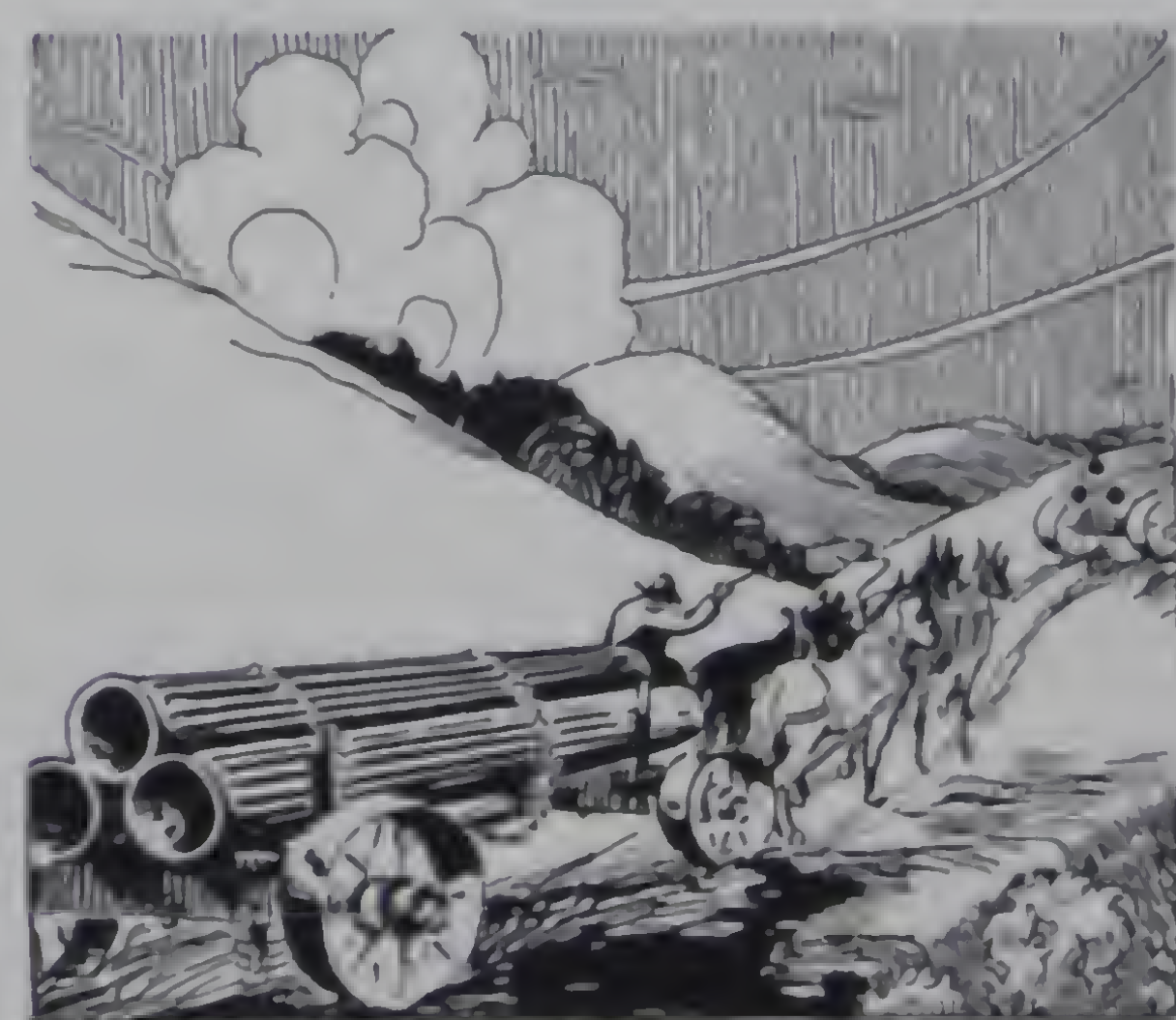
6 8-10-12-14 inch diameter columns made from one ply, 22 gauge copper-bearing galvanized steel.
16-18-20-22-24-26-28-30-32-34-36-42 inch diameter columns, made from two ply, 22 gauge laminated steel construction. Larger than 42 inch columns made in special construction.



WEATHERPROOF



FIREPROOF



EASILY TRANSPORTED,
HANDLED AND ERECTED



GREAT LOAD-BEARING
STRENGTH



An Investment in Beauty, Strength, Durability, Lifetime Satisfaction

ARCHITECTS, contractors and home owners frequently ask our salesmen and representatives how the cost of Union Metal Pressed Steel Columns compares with wood column prices. It is often difficult to give a definite answer, because prices of wood columns vary with different qualities and forms of construction.

However, in checking many jobs we have found that Union Metal prices range from the same cost as the better grade of wood columns to a slightly higher cost than ordinary mill type columns.

The buyer who tries to save money by substituting cheap columns for Union Metal Columns is simply entering into a future contract for trouble, expense and grief. On account of repairs and replacements he more than pays for metal columns whether he uses them or not.

With Union Metal Columns the first cost is the only cost. Their purchase is not an expense, but an investment in beauty—strength—durability and lifetime satisfaction.



For Homes and

RESIDENCE OF PAUL G. FETZ, XENIA, OHIO

Harley W. Owens, Architect

Six Union Metal Columns, Design 700, Greek Doric, 14 inches Diameter, 8 feet high, used on this residence.

FOR BEAUTIFUL ENTRANCES



Home—The Safest Investment in the World

AN OWNER considers his home the safest investment in the world, and consequently he wants construction materials that will give him lifetime service.

He would consider as absurd any suggestion that his home would be badly disfigured or rotted away in five, seven, or at the most ten years and that his entire investment would then be wiped out. Yet, that is exactly what would happen if the rest of his house had the same quality of materials as his wood columns.

Columns on most buildings form the principal decorative feature. They are the first thing to be seen, the longest remembered and should be of such quality that constant repairs and frequent replacement can be avoided.

Most people realize that even though the initial cost of Union Metal Columns might be slightly higher, the cost over a period of years is very much lower.

Public Buildings

A style and size for every class of construction from modest cottage to finest home and public building.



LARGE UNION METAL COLUMNS—The principal decorative feature of this Church consists of six Union Metal Columns, Design 230, Greek Ionic, 28 inches diameter, 21 feet high.



Architectural and Construction Details of Union Metal Columns

Composition Capital with sharp lines and fine architectural detail.

Stopped flutes and apophyge at top of shaft.

Corinthian flute with flat top (sharp Doric flute provided on Doric designs).

Entasis
(Modified taper giving an outcurving or bulging effect).

Stopped flutes and apophyge at bottom of shaft.

Double roll Attic base with bottom square member.

Cast-iron top ring.

Galvanized steel cylinder carries weight from top ring to pressed steel shaft.

Cast-iron bottom ring. This construction relieves composition capital of all weight.

Union Metal Columns are protected against weather conditions by being galvanized with lead and zinc spelter, both inside and outside.

All columns are provided with priming coat of best grade reinforced red lead before leaving factory. Any color of finishing coat can be applied after erection.

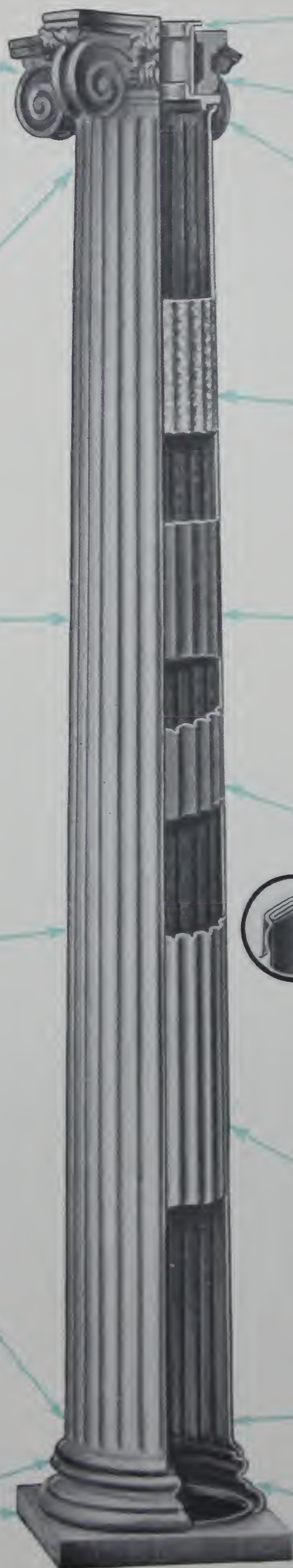
8 inch, 10 inch, 12 inch, 14 inch diameter columns made of one-ply 22-gauge galvanized steel. Large columns, 16 inch to 42 inch diameter, made from two-ply 22 gauge laminated steel construction. Special construction from 42 inch to 60 inch diameter.

Vertical joints of all columns are double lock seamed with seam rolled on inside so that all outside surfaces are smooth and clean.

Section of fluting showing beautiful, clean-cut lines due to Union Metal steel die construction.

Details of stopped flute outward curvature or apophyge and lower end of shaft where it fits over cast-iron base flange.

Cast-iron base, smooth and clean.



FOR BEAUTIFUL ENTRANCES



Extensively Used for Porches, Pergolas, Interiors, Remodeling

Porches

UNION Metal Columns have opened a new era in architecture. They free the architect and builder from the troubles due to splitting, rotting and opening at joints common to all wood columns. They are reasonable in price with a style and size for every class of construction from modest cottage to finest home and public building.

Pergolas

TO realize full enjoyment from home and grounds they should include a pergola or rose screen. The graceful and stately lines of the columns are an ideal background for climbing vines, and as the trellised beams overhead become covered, the pergola is the most pleasing feature of the yard or garden.

Union Metal Catalog No. 51 is the most complete book ever distributed on pergolas, rose screens and arbors.

Interiors

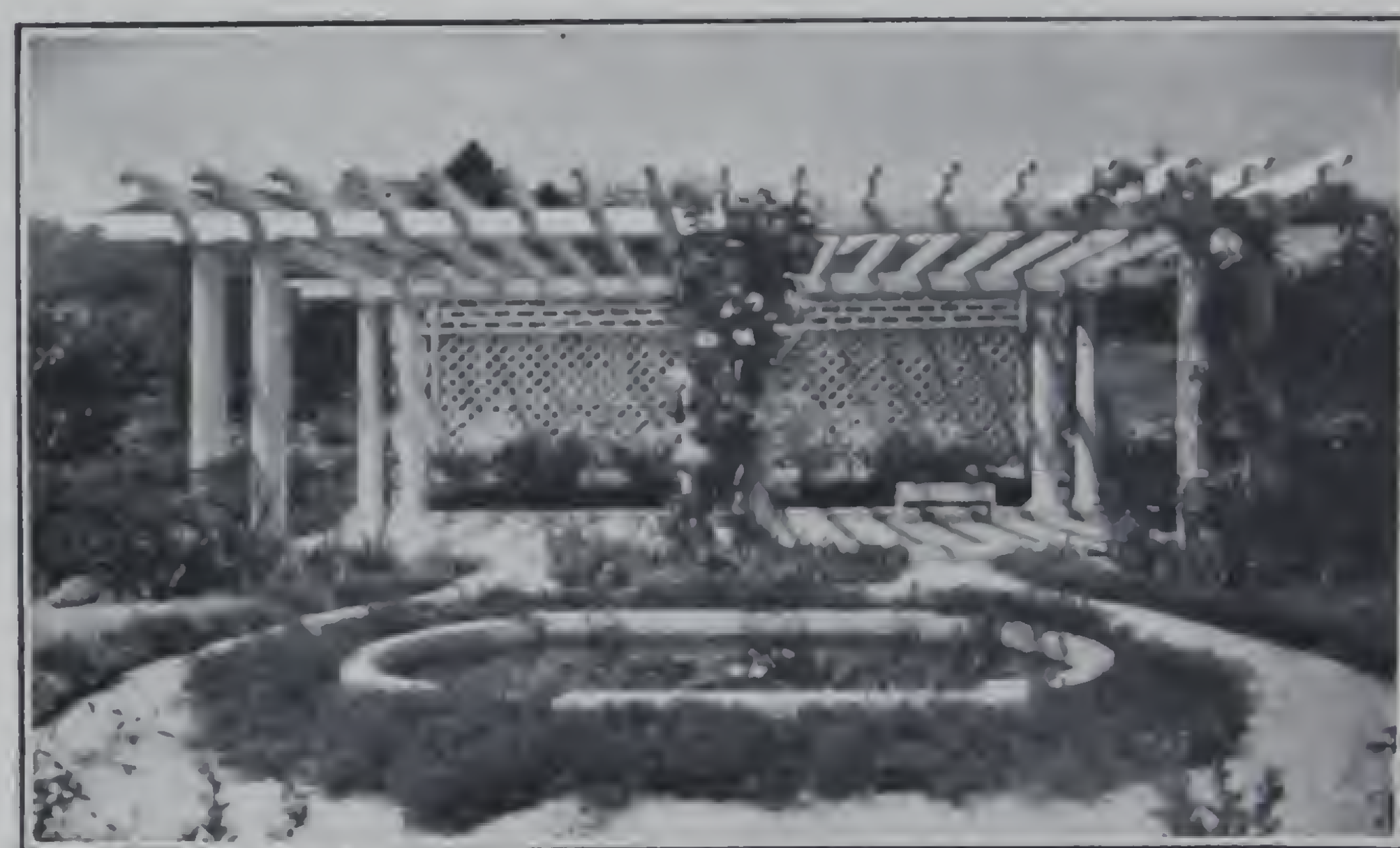
UNION Metal Columns have a wide application to interior use: for lobbies of hotels, banks and clubs. They are popular for entrances, lobbies and proscenium arches of theatres. They are particularly adapted to interior work, because of the beautiful finishes that can be applied—statuary bronze, oxidized copper, verde antique and any of the natural wood finishes. For any interior work, Union Metal Columns take away the severity of line and impart an air of elegance and grace.

Remodeling and Replacement

THE remodeling of old buildings and replacement of rotted and split wood columns, has proved an extremely fertile field for the sale of Union Metal Columns. They give new beauty to old time buildings at remarkably low expense.



Residence at Fredericksburg, Virginia, showing the use of large and small columns.



Pergola in Los Angeles, Cal. showing dignified application of Union Metal Columns.



Bank Interior, Portland, Oregon, in which Union Metal Columns form the principal decorative feature.



Actual photograph showing replacement of split wood columns by Union Metal Columns on a Cleveland residence. This replacement was made after the house had been built only three years.



UNION METAL COLUMNS



Design No. 212, Roman Corinthian, Composition Capital, Attic Base (Cast Iron), Steel Shaft (Cor. Flute.)

Design No. 230, Greek Ionic (Erechtheum), Composition Capital, Attic Base (Cast Iron), Steel Shaft (Cor. Fluted).

Design No. 237, Modern Ionic, Composition Capital, Attic Base (Cast Iron), Steel Shaft (Cor. Flute),

Dimension Specifications given on Pages 14 and 15.

Union Metal Columns (except design 240) are made in all sizes from 8 inch to 42 inch diameters and from 5 feet to 35 feet high. Design 240 made in 8-10-12-14 inch diameter only. Columns with diameter greater than 42 inches and higher than 35 feet are made in special construction.

FOR BEAUTIFUL ENTRANCES



Design No. 222, Italian Renaissance Ionic (Scamozzi). Composition Capital, Attic Base (Cast Iron). Steel Shaft (Cor. Flute).

Design No. 213, Temple of the Winds. Corinthian Composition Capital, Attic Base (Cast Iron). Steel Shaft (Cor. Flute).

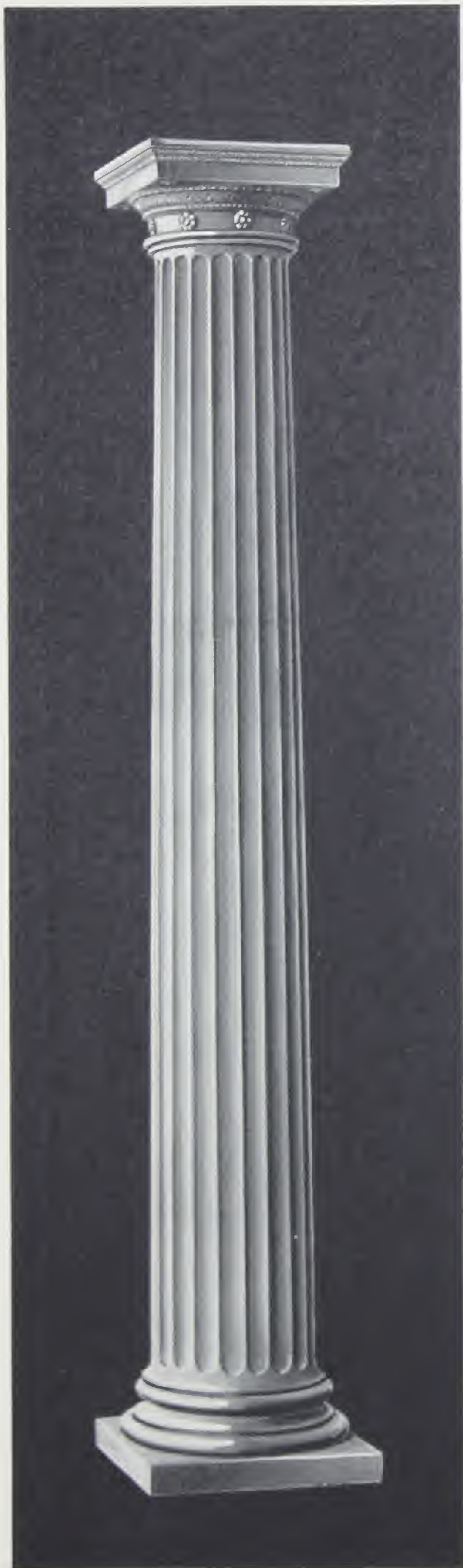
Design No. 219, Italian Composite. Composition Capital, Attic Base (Cast Iron). Steel Shaft (Cor. Flute).

Dimension Specifications given on Pages 14 and 15.

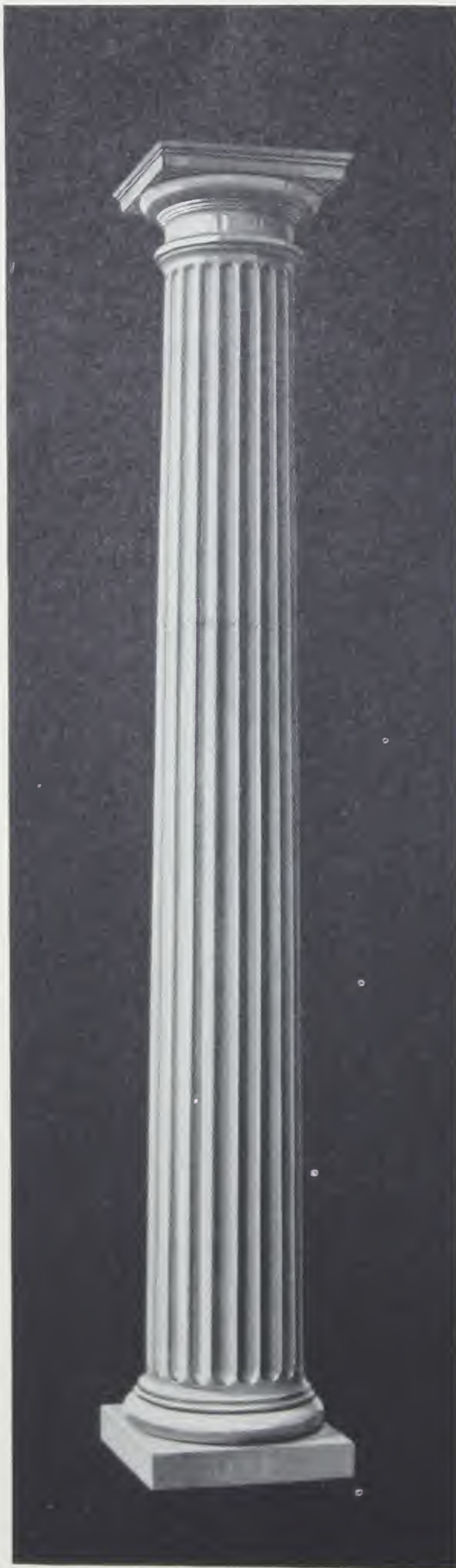
Union Metal Columns (except design 240) are made in all sizes from 8 inch to 42 inch diameters and from 5 feet to 35 feet high. Design 240 made in 8-10-12-14 inch diameter only. Columns with diameters greater than 42 inches and higher than 35 feet are made in special construction.



UNION METAL COLUMNS



Design No. 224, Roman Doric (Diocletian). Composition Capital, Attic Base (Cast Iron), Steel Shaft (Doric Flute).

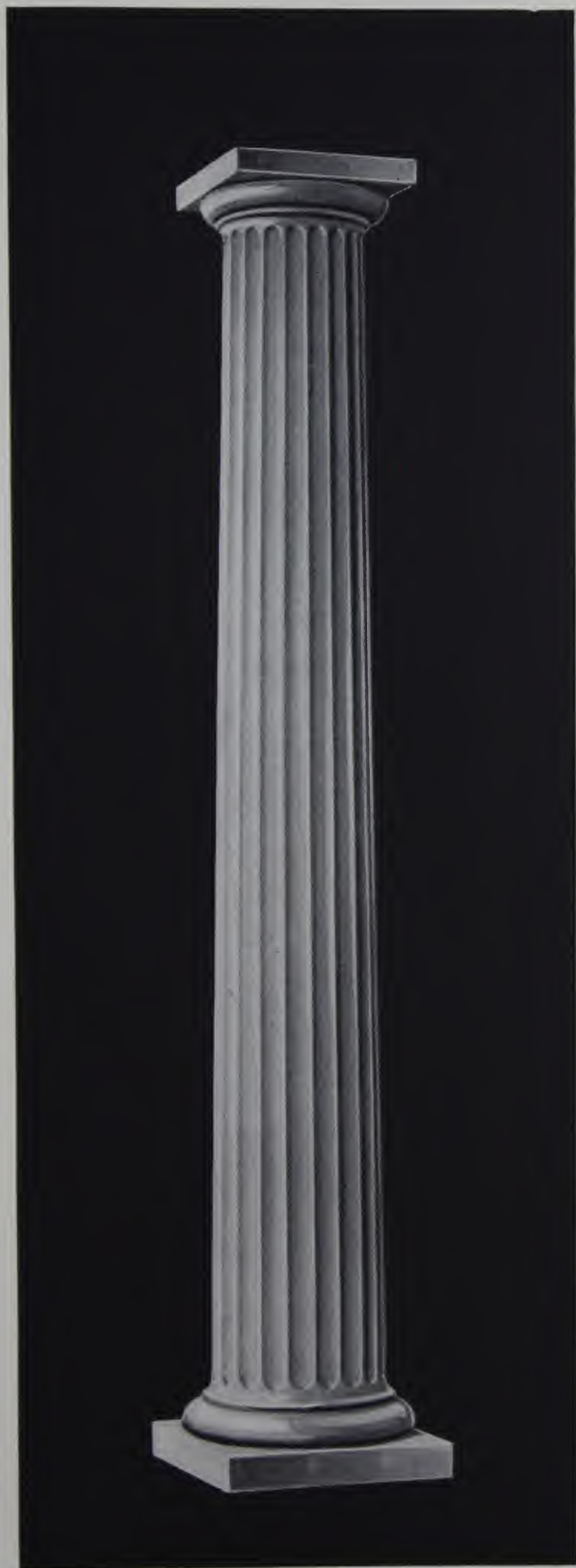


Design No. 240, True Roman Doric. Cast Iron Capital, and Cast Iron Base. Steel Shaft (Doric Flute).



Design No. 700, Greek Doric. Capital including Top Square (Cast Iron), Square Base Member (Cast Iron), Steel Shaft (Doric Flute).

Dimension Specifications given on Pages 14 and 15.
Union Metal Columns (except Design 240) are made in all sizes from 8 inch to 42 inch diameters and from 5 feet to 35 feet high. Design 240 made in 8-10-12-14 inch diameters only. Columns with diameter greater than 42 inches and higher than 35 feet are made in special construction.



Design No. 240, Modern, All Steel Doric. Steel Capital and Base, Steel Shaft (Doric Flute). Design 240 furnished at very reasonable prices in stock sizes only:—8-10-12-14 inch diameters and heights of 5 feet to 10 feet overall.

Page Eleven

Our Popular Design 240

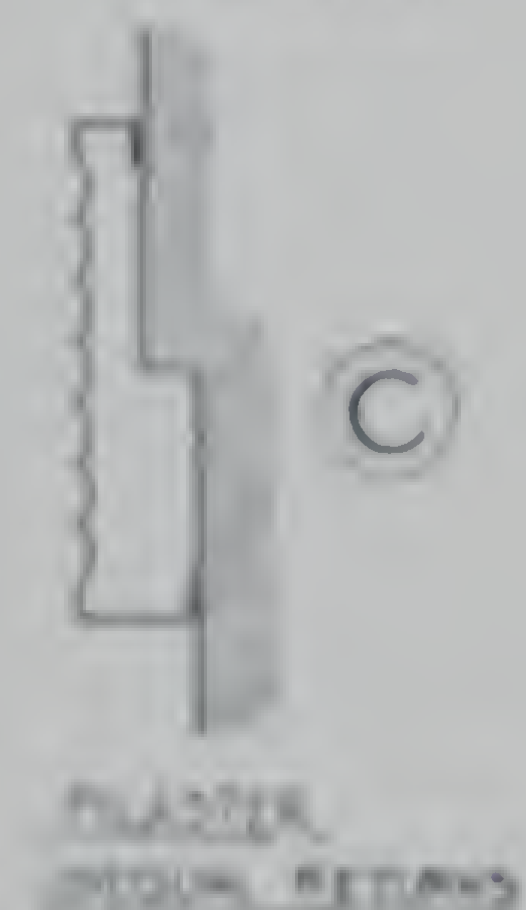
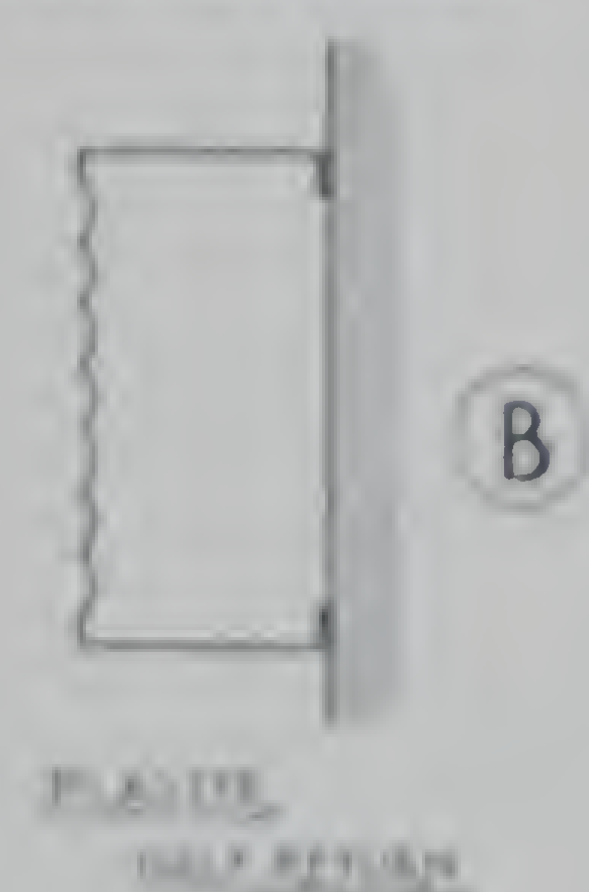
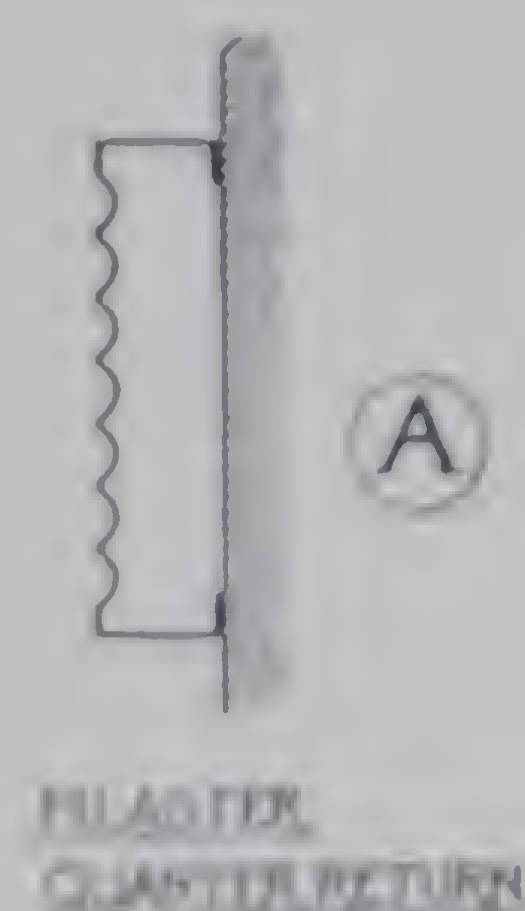
IN this design the capital and base as well as shaft are made of pressed steel. They are pressed from heavy No. 16 gauge steel. This all-steel construction gives strength, durability, clean-cut lines and decreased weight to the Columns.

Although the design does not strictly conform to the classical orders of architecture, it is extremely popular on account of its simplicity. The simple design serves so many purposes where more ornamental columns may appear out of place, or where the cost of one of the classical designs with composition capitals might be considered high.

The great demand for this type of column allows us to manufacture and stock it in large quantities. Quantity production reduces the cost of manufacture to a point which warrants our selling the all-steel design at extremely reasonable price.



Pilasters and Odd Shapes



SQUARE pilasters, corner pilasters, half round columns and three-quarter columns are made in all sizes to match the different designs in this catalog.

In ordering Pilasters specify: whether pilaster face shall be tapered to match columns, or whether pilaster face shall be straight from top to bottom.

Notes

1. Unless otherwise ordered the bottom and top faces of pilasters will be furnished the same as the bottom and top diameters of columns in which case the pilaster bases and caps will match those of columns in height.
2. All Union Metal Pilasters are fluted on the front face to match columns but are not fluted on the return faces unless specifically ordered.
3. Pilasters are furnished with straight side face or straight tapered face and are not provided with entasis.



Detail of bottom of Pilaster showing stopped flute and the fitting to Cast iron base.



Union Metal Columns Have Great Load Bearing Strength

THEY are the strongest architectural columns manufactured. The principle of their construction—the fluted steel cylinder, is in accordance with the best engineering practice and insures great compression strength.

Their strength and service is best exemplified by the fact that of the many thousands in service, not one has ever failed or had to be replaced for any cause whatever.

The results of recent tests on Union Metal Columns by the prominent testing Engineers—Robert W. Hunt and Co., show that Union Metal Columns are strong enough for all normal loads that they are called upon to bear. Where an abnormally heavy pediment or weight is to be supported, they may be reinforced by steel I-beam or tubular steel pole passing up through them, or better still, they may be economically filled with concrete.

Note carefully the great load that Union Metal Columns will bear before any failure that would endanger life and property can take place: 13½ tons on small columns and 15 tons on large columns. It must also be borne in mind that these are tests on individual columns whereas, porch roof and pediment loads are always distributed among two or more columns.

Hunt's Test

Compression Test—small Column One Ply Steel Shaft

8 inch base Diam.; 6½ inch top Diam.
x 6 feet high.

5,840 lbs.—bottom fillet (apophyge)
bending.

6,580 lbs.—top fillet (apophyge) bending.

27,220 lbs.—maximum load—column
buckling near top.

Compression Test—Large Column Two Ply Steel Shaft

21 inch base Diam.; 19 inch top Diam.
x 10 feet high.

16,240 lbs. Bottom fillet (apophyge)
bending.

16,700 lbs. Top fillet (apophyge)
bending.

29,960 lbs. Maximum load. Column
buckling.

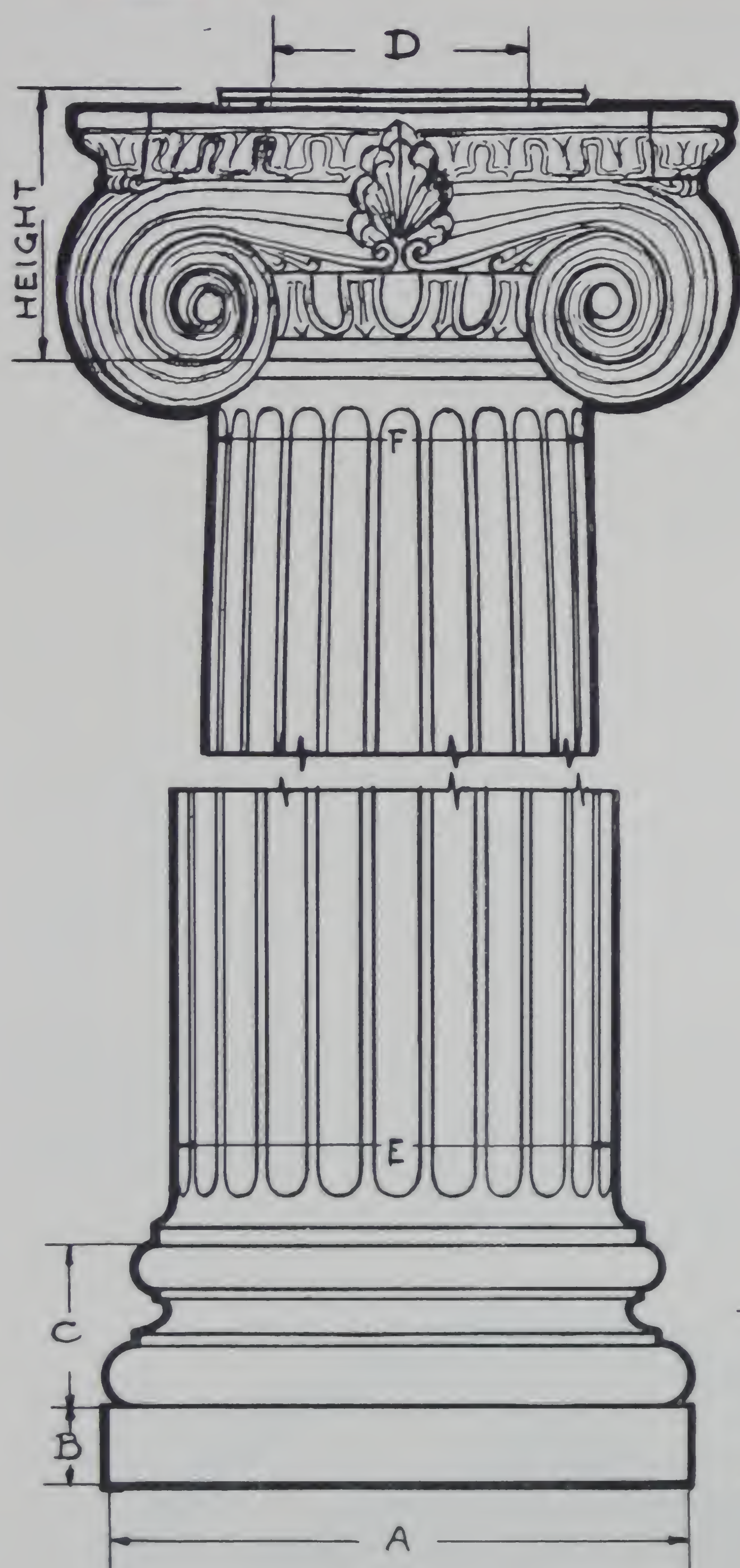


MASONIC HOME, MERIDIAN, MISSISSIPPI
P. J. Krouse, Architect

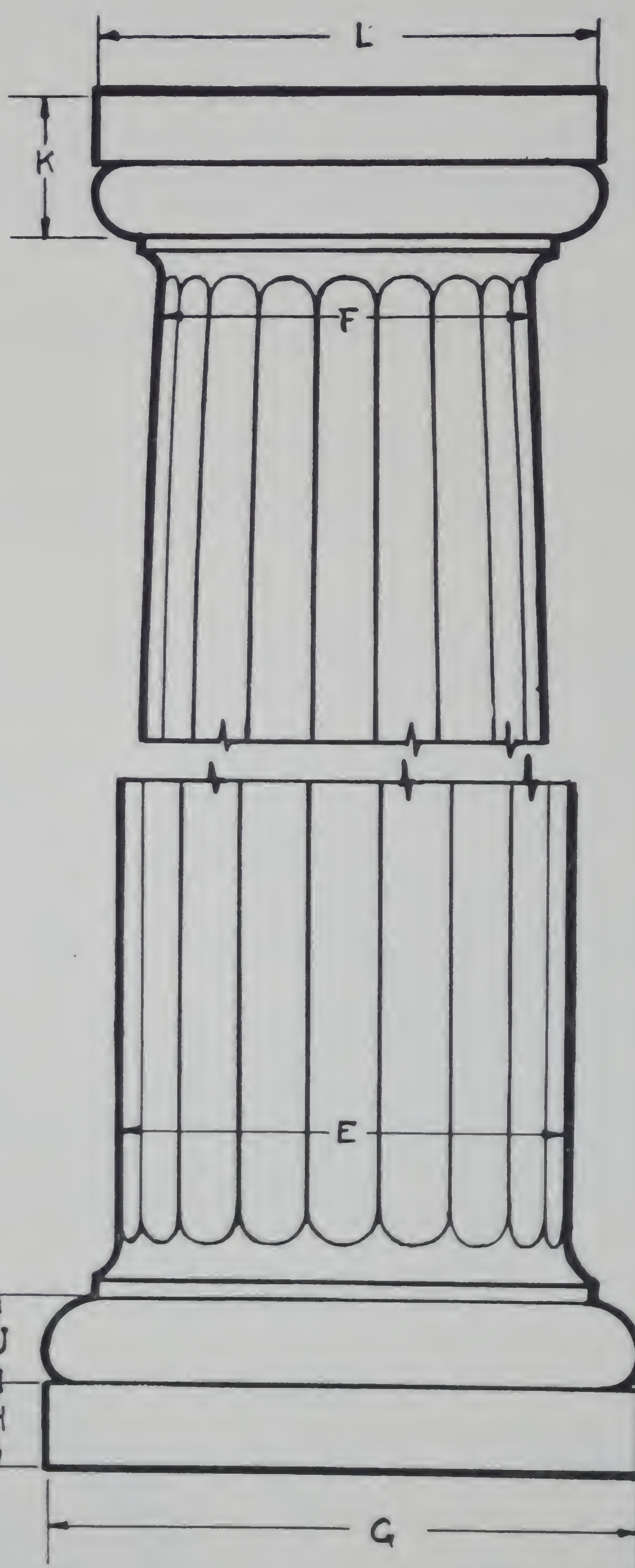
Union Metal Columns, 30 inches diameter and 23 feet high, support not only the heavy roof pediment but also the second-story balcony that is tied into the columns about ten feet above the base.



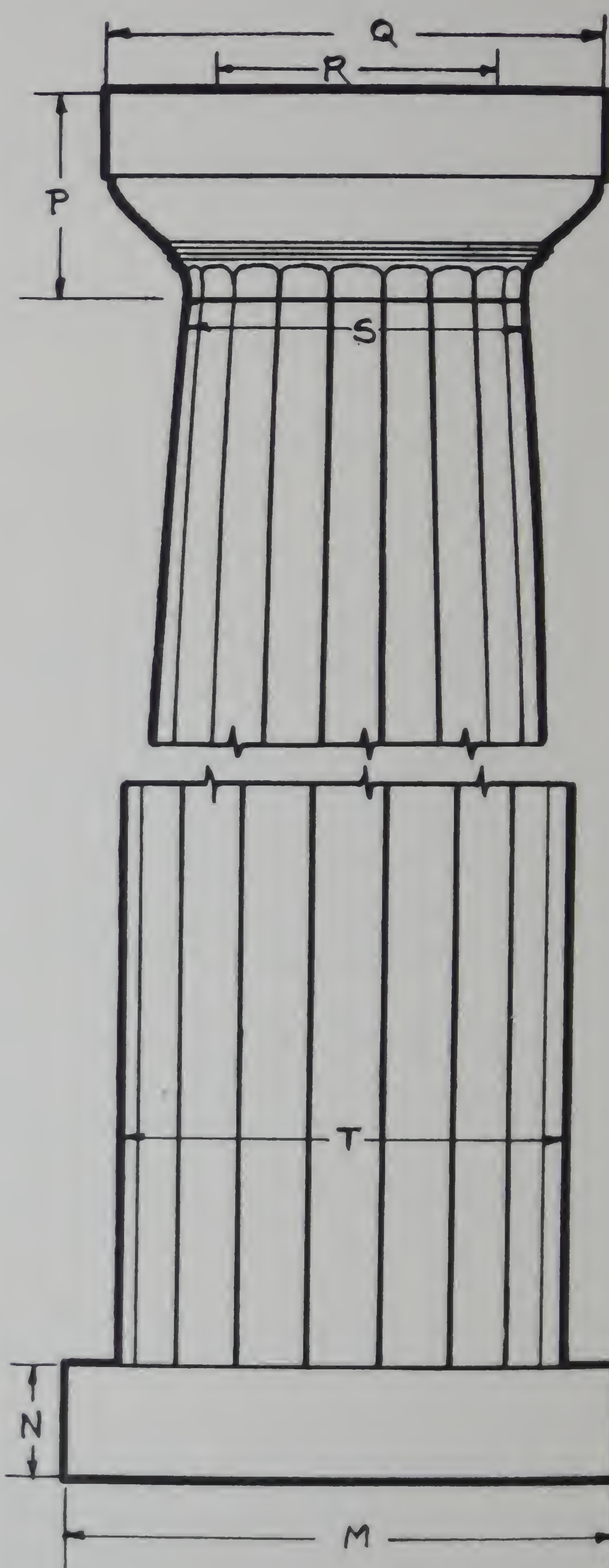
UNION METAL COLUMNS



View of all designs using Composition Capitals: 212-230-237-222-213-219 with Corinthian flutes and 224 with Doric flutes.



View of design 240. Modern all-steel Doric.
This column is similar to Roman Doric Design No. 246 shown on page 10 and dimensions of which are given on chart below.



View of Design 700
Greek Doric.

Dimension Chart for Union Metal Columns

Bott. Dia. Shaft	DESIGNS No. 212, 230, 237, 222, 213, 219 and 224												DESIGN No. 240					DESIGN No. 246						DESIGN No. 700								
	A	B	C	D	E	F	HEIGHT OF CAPITAL							G	H	J	K	L	G	H	J	K	L	R	M	N	P	Q	R	S	T	
							212	230	237	222	213	219	224																			
8	10 1/2	1 1/2	3	5 1/2	8	6 1/2	9 7/8	6 1/2	4 1/2	4 1/2	8 7/8	11 1/2	4 1/2	11	1 1/2	1 1/2	2 1/2	8 5/8	10 1/2	1 1/2	4 3/4	9 3/4	5									
10	13 1/2	1 1/2	3 1/2	6 1/4	9 1/4	8	13 1/2	9 1/4	6 1/2	5 1/2	12 1/2	13 1/2	6 1/2	13 1/4	1 1/2	1 1/2	3 1/2	11	13 1/4	2 1/2	5 1/2	12	6 1/4	12 1/4	2 1/2	4 3/8	10 7/8	5 1/4	7 1/2	10		
12	16	1 1/2	4 1/2	7 1/2	12	10	15 1/2	11 1/2	6 7/8	5 3/4	15 1/2	15 3/4	7 3/8	16	2 1/2	2 1/2	3 1/2	13 1/4	16 3/8	2 1/2	6 1/2	14 7/8	8	14 3/8	3	5 1/2	11	6 1/2	9	12		
14	18 1/2	2 1/2	4 1/2	9 1/2	14	12	16 3/4	13 1/4	7 1/2	6 3/4	16 1/4	19 1/4	8 3/4	18 1/2	2 1/2	2 1/2	4 1/2	16	18 1/2	3 3/8	3 3/8	8	18	9 1/2	16 3/8	3 1/2	6 1/2	15 1/2	7 1/2	11	14	
16	20 3/8	2 1/2	5 1/2	9 3/4	15 1/4	12	16 3/4	13 1/4	7 3/4	6 3/4	16 1/4	19 1/4	8 3/4	20 1/2	3 1/2	3 1/2	4 1/2	16	20 1/2	3 3/4	3 3/4	8	18	9 1/2	18 3/8	3 1/2	7 1/2	16 1/2	12	16		
18	22 1/2	2 1/2	5 1/2	10	15 1/4	14	18 1/2	15 1/4	10	8	21 1/4	22 1/2	11 3/4	20 1/2	3 1/2	3 1/2	9 3/4	21	20 1/2	3 3/4	3 3/4	9 3/4	21	10								
20	25 1/2	3 1/2	6 1/2	12 1/2	19 1/2	15 3/4	24 1/2	17 1/2	11 3/4	8 1/2	24 1/2	24 1/2	11 3/4	22 1/2	4 1/2	4 1/2	9 3/4	21	22 1/2	4 1/2	4 1/2	9 3/4	21	10	20 1/2	4 1/2	8 1/2	19 1/2	8 1/2	14	18	
20	25 1/2	3 1/2	6 1/2	14	19 1/2	17 3/4	26 1/2	17 1/2	12 3/4	9 1/2	23 1/2	27 1/2	13 3/4	25 1/2	4 1/2	4 1/2	10 3/4	23 3/4	25 1/2	4 1/2	4 1/2	10 3/4	23 3/4	12 1/2	23 3/4	4 1/2	8 1/2	20 1/2	9 1/4	15	20	
22	28 1/2	3 1/2	6 1/2	15 1/2	23 1/2	19 3/4	29 1/2	20 1/2	12 3/4	10 1/2	26 1/2	29 1/2	15 1/2	25 1/2	4 1/2	4 1/2	11 1/4	26	25 1/2	4 1/2	4 1/2	11 1/4	26	14								
24	32	4	6 1/2	15 1/2	23 1/2	19 3/4	29 1/2	20 1/2	12 3/4	10 1/2	26 1/2	29 1/2	15 1/2	29	5 1/2	5 1/2	11 1/4	26	31	5 1/2	5 1/2	12 1/4	29 1/2	15	25 1/2	5 1/2	9 1/4	24	9 1/4	17	22	
26	34 1/2	4 1/2	7 1/2	17	25	22	32 1/2	21 1/2	12 3/4	12 1/2	32 1/2	32 1/2	16 1/2	33	6	6	12 3/4	29 1/2	33	6	6	12 3/4	29 1/2	15	30	6	12	28 1/2	13 1/2	20	26	
28	37	5 1/2	8 1/2	17	26 3/4	22	32 1/2	21 1/2	12 3/4	12 1/2	32 1/2	32 1/2	16 1/2	35 1/2	6 1/2	6 1/2	14 1/2	33	35 1/2	6 1/2	6 1/2	14 1/2	33	15 1/2								
30	39	5 1/2	9 1/2	18 1/4	29 1/4	23 3/4	35 1/2	23 1/2	12 1/2	13 1/2	35 1/2	35 1/2	17 1/2	38 1/2	7	7	15 1/2	35 1/2	38 1/2	7	7	15 1/2	35 1/2	18	34 1/2	6 3/4	14 1/2	34 3/4	16	24	30	
32	41 1/2	6	10 3/4	20 3/4	31 3/4	25	39 1/2	24 1/2	13 1/2	14 1/2	39 1/2	39 1/2	18 1/2	42 1/2	7 1/2	7 1/2	16 3/4	37 1/2	42 1/2	7 1/2	7 1/2	16 3/4	37 1/2	19 1/2	36 3/4	7 3/4	14 1/2	34 1/2	16	24	32	
34	43	6 1/2	10 3/4	22	34	26 3/4	42	26	16	15	42	42	20	44 1/2	8 1/2	8 1/2	17 1/2	40 3/4	44 1/2	8 1/2	8 1/2	17 1/2	40 3/4	22	39	7 3/4	16 1/2	43	18	28	34	
36	45 1/2	6 1/2	11 3/4	23 3/4	36	29 1/4	42 1/2	28 1/2	18 1/2	16 3/4	42 1/2	42 1/2	22	47 1/2	8 1/2	8 1/2	19 1/2	43 3/4	47 1/2	8 1/2	8 1/2	19 1/2	43 3/4	23	41 1/2	8 1/2	16 3/4	45	18	28	36	
42	56	7	14	27	42	34								55 1/2	10	10 1/2										41 1/2	8 1/2	16 3/4	45	18	28	

D and R Dimensions represent opening through capital.



Architects Specification Covering Union Metal Columns

“THE fluted columns used in this building shall be Union Metal Pressed Steel Columns with entasis and stopped flutes, manufactured by The Union Metal Manufacturing Company, Canton, Ohio. The design number, style and size of columns to be used is indicated on drawings. The manufacturer shall apply a priming coat of high grade metallastic paint to all columns before shipment from his plant.”

Union Metal Columns (except design 240) are made to architect's detail all heights in fractional parts of an inch from 5 feet to 35 feet.

Design 240 furnished in stock sizes only:—8''-10''-12''-14'' diameters and heights of 5 feet to 10 feet in fractional parts of an inch.

Colonial Entrances

THE glory of Greek and Roman architecture and the crowning beauty of homes and public buildings in our own Colonial days, were made possible by the tasteful and generous use of classical columns.

The columns on a building are “the center of the picture”—the first thing to be seen, and the longest remembered. Their great architectural value is fully appreciated by many architects who have not used them as freely as they would have liked, on account of the grief experienced from rotting and opening joints of wood columns.

These difficulties have all been overcome by the production of Union Metal Columns that are correct in design, permanent in construction and reasonable in cost. Several pages of “Attractive Column Entrances” are included in this book with the thought that they might suggest the tasteful and generous use of columns—a style in architecture that has endured for two thousand years.



Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Attractive Column Entrances





Architects and Owners Want the Best Columns

WHEN Doctor Berry and his architects discussed the plans and specifications for this house, they decided that the columns should be permanent as well as beautiful.

That decision led them to specify Union Metal Pressed Steel Columns and Pilasters so that the principal decorative feature of the house might be as permanent and durable as the brick in the walls.

At moderate cost they have given to this home the beauty that comes from the tasteful use of Union Metal Columns. That beauty is permanent for it cannot be destroyed by splitting, rotting or opening at joints which sooner or later mar all wood columns.

This is typical of the service that Union Metal Columns are rendering on thousands of structures throughout the Country from modest cottages to larger homes and public buildings.



RESIDENCE OF DOCTOR BERRY, OKMULGEE, OKLAHOMA
Architects, Smith, Rea, Lovitt & Senter
This photograph shows the application of Union Metal
Large Columns and Square Pilasters.



Easily Transported, Handled and Erected

LIGHT weight and great strength enable Union Metal Columns to withstand the shocks and strains of unloading from cars and hauling to the job. They can also be economically and safely transported long distances over rough country roads.

Hauled over 40 Miles of Corduroy Road

APROMINENT Virginia architect has recently used eight 30-inch diameter Union Metal Columns on a court house, forty miles from the nearest railroad station. He stated that Union Metal Pressed Steel Columns were the only ones that could be safely transported by mule teams over the rough corduroy roads.

In constructing a building at Kanab, Utah, Union Metal Columns were used because they had to be hauled a hundred miles over desert and mountain trails from the nearest station on the San Pedro, Los Angeles, Salt Lake Railroad.

Under such conditions stave wood columns would rack to pieces and transportation on heavy stone or terra-cotta would be prohibitive.



LARGE UNION METAL COLUMNS, DESIGN 237, IONIC,
USED ON FREESTONE COUNTY COURTHOUSE,
FAIRFIELD, TEXAS

W. R. Kaufman, Architect, Amarillo, Texas

Columns transported from nearest railroad station, Teague,
Texas, over fifteen miles of very bad country roads.



UNION METAL COLUMNS

Installations



RESIDENCE, DR. R. E. PFOUTS, CANTON, OHIO
Showing dignified application of Union Metal Columns
to front entrance and sun-room construction.



FAIRFIELD BAPTIST CHURCH, FAIRFIELD, ALABAMA
J. E. Greene, Architect, Birmingham
Six Union Metal Columns, Design 230, Greek Ionic,
28 inches diameter and 21 feet high, form the principal
decorative feature of this building.

FOR BEAUTIFUL ENTRANCES



ALBERTINA KERR NURSERY HOME, PORTLAND, OREGON
Johnson-Parker-Wallwork, Architects, Portland



ARCHITECT'S PERSPECTIVE OF KNIGHTS OF COLUMBUS
HOME, GLENS FALLS, NEW YORK
Thomas L. Gleason, Architect
Henry Hornbostel, Consulting Architect

NOTE: Columns here carry limestone pediment. One of the reasons for insistence by architects upon metal columns was load-bearing qualities.



UNION METAL COLUMNS



THREE VIEWS OF C. C. NORRIS, JR., RESIDENCE,
HAVERFORD, PENNSYLVANIA
Architect W. W. Potter, Philadelphia

FOR BEAUTIFUL ENTRANCES



UNION METAL COLUMNS ON RESIDENCE OF H. W. HOOVER,
NORTH CANTON, OHIO
Charles E. Firestone, Canton, Architect



IMPOSING ENTRANCE TO RESIDENCE OF MISSES HERRON
AND HOOD, BELLE MEADE PARK, NASHVILLE, TENN.
Asmus & Norton, Architects



VIEW OF SIDE PORCH, RESIDENCE ON COLORADO AVENUE,
WASHINGTON, D. C.



UNION METAL COLUMNS



"SPRUCE HILL COURT" APARTMENTS, PHILADELPHIA,
PENNSYLVANIA, APARTMENT HOUSE
W. H. Walker, Architect and Builder

Eight Columns, 18 inches diameter, 15 feet high on two
wing buildings.

Four Columns, 28 inches diameter, 28 feet high on main
building.



UNION METAL COLUMNS ON RESIDENCE
OF HENRY T. OFFTERDINGER, WASHINGTON, D. C.
A. P. Clarke, Architect

FOR BEAUTIFUL ENTRANCES



ENTRANCE TO D. S. ETHERIDGE RESIDENCE,
MISSIONARY RIDGE, CHATTANOOGA, TENNESSEE
Louis H. Bull, Architect



WARDMAN PARK HOTEL ANNEX,
WASHINGTON, D. C.
Wardman & Waggaman, Architects



REAR VIEW D. S. ETHERIDGE RESIDENCE,
MISSIONARY RIDGE, CHATTANOOGA, TENNESSEE
Showing how Union Metal Columns help to improve
the rear as well as front entrances.



A Pergola for the Garden

YOU cannot realize the full enjoyment of home grounds unless they include a pergola, rose screen or arbor. The pergola offers a needed contrast to the solid masses of color and foliage and breaks up the monotony of level grounds, into restful spaces and attractive nooks.

The pergola extends a continual invitation to its owner and guests to walk through the grounds or to rest in its shade. There is something about the rows of vine-covered columns which is almost human in its influence and which leads you to spend more time in the outdoor air.

Catalog 51 on Union Metal pergolas is the most complete treatise ever published on this subject. May we send you a copy?



UNION METAL PERGOLA AND FOUNTAIN, IN GARDEN OF
S. A. GERRARD, AVONDALE, CINCINNATI, OHIO
W. A. Natorp Co., Landscape Gardeners and
Engineers, Cincinnati



The Fable of the Column Buyers



RESIDENCE OF
CAPT. D. H.
BARGER
SHAWSVILLE,
VA.

Miller & Ma-
hood, Roanoke,
Architects

In Service for Sixteen Years

UNION Metal Columns on the beautiful residence of the Late Captain D. H. Barger at Shawsville, Virginia, have given satisfactory service for sixteen years. This was the first job of Union Metal Columns to be specified by an architect and the first order shipped from our plant.

These large Columns, large Pilasters and small Columns are just as good today as they were when installed in 1907. They are fluted columns, but they were made before the development of entasis, stopped flutes and other architectural refinements in Union Metal Construction.



In Service Three Years

HERE is a man who invested a good many thousand dollars in a fine home on a handsome street in Cleveland. He thought he would save expenses a little by putting in wood columns, but inside of three years, the ugly cracks which can be plainly seen in the photograph, spoiled the looks of his entire home and he took them out, installing Union Metal Columns—*The Ones that Last a Lifetime.*



In Which of These Apartments Would You Prefer to Live?



A Study in Contrasts

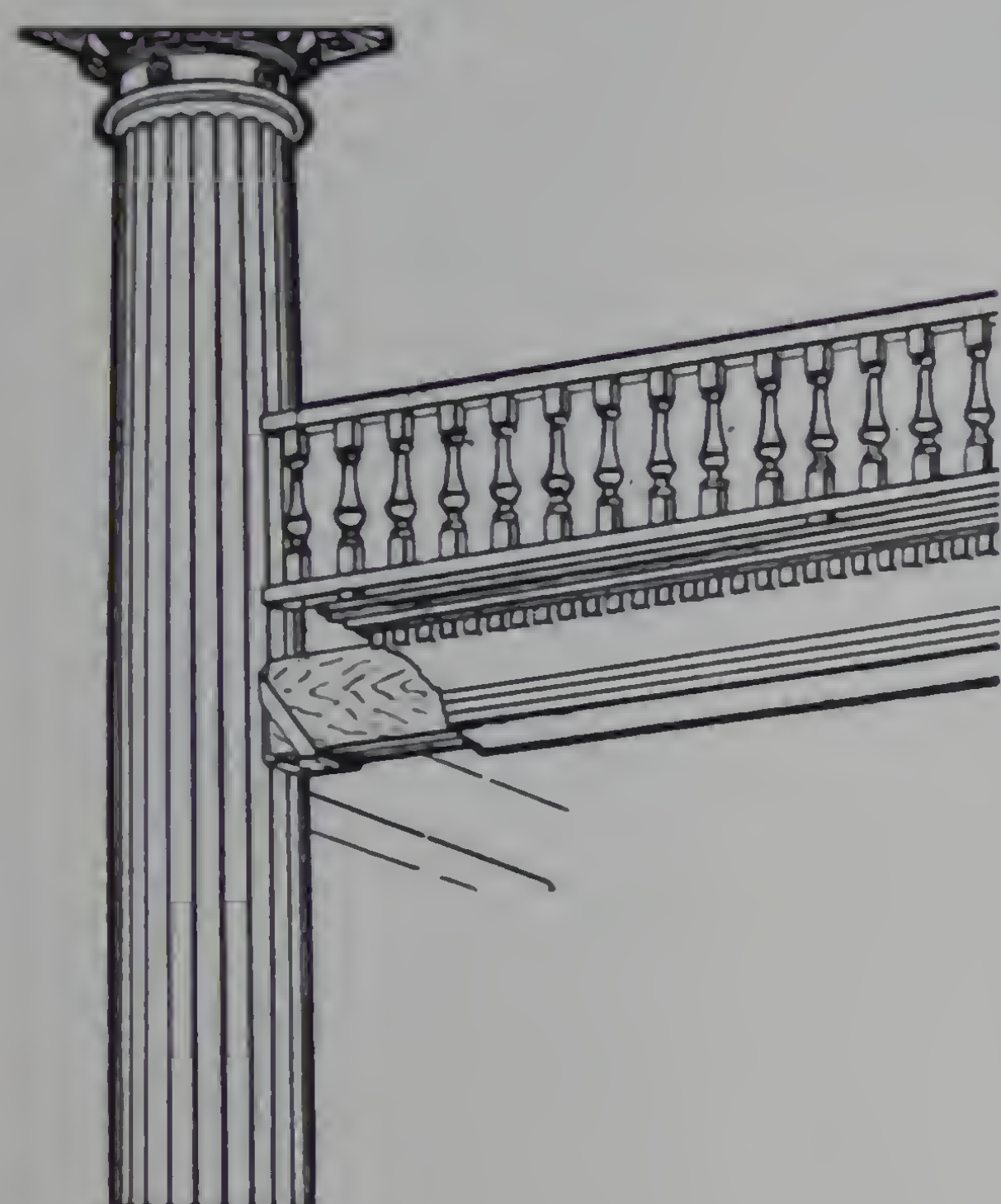
THIS is a photograph of two apartment houses that stand side by side in Pittsburgh. In one of them the large white columns stand out in bold relief against the background, adding a touch of ornamentation and life that is so desirable. Contrast it with the other building which is flat and cold in appearance and possesses no architectural appeal.

There is no question of the desirability of brick for wall work, both from the standpoint of beauty and safety, but it is entirely out of keeping when used in place of graceful, classical columns. There is no architectural precedent for the use of the brick pier. It was never used in any of the famous buildings of ancient times, although brick was freely employed in the construction of many of them.

The belief that brick supports are cheaper than Union Metal classical Columns is a fallacy. They might seem cheaper because the brick contractor includes the cost in his brick estimate. The columns don't come before the owner as a separate item, but the cost is there just the same.



Additional Installation Details



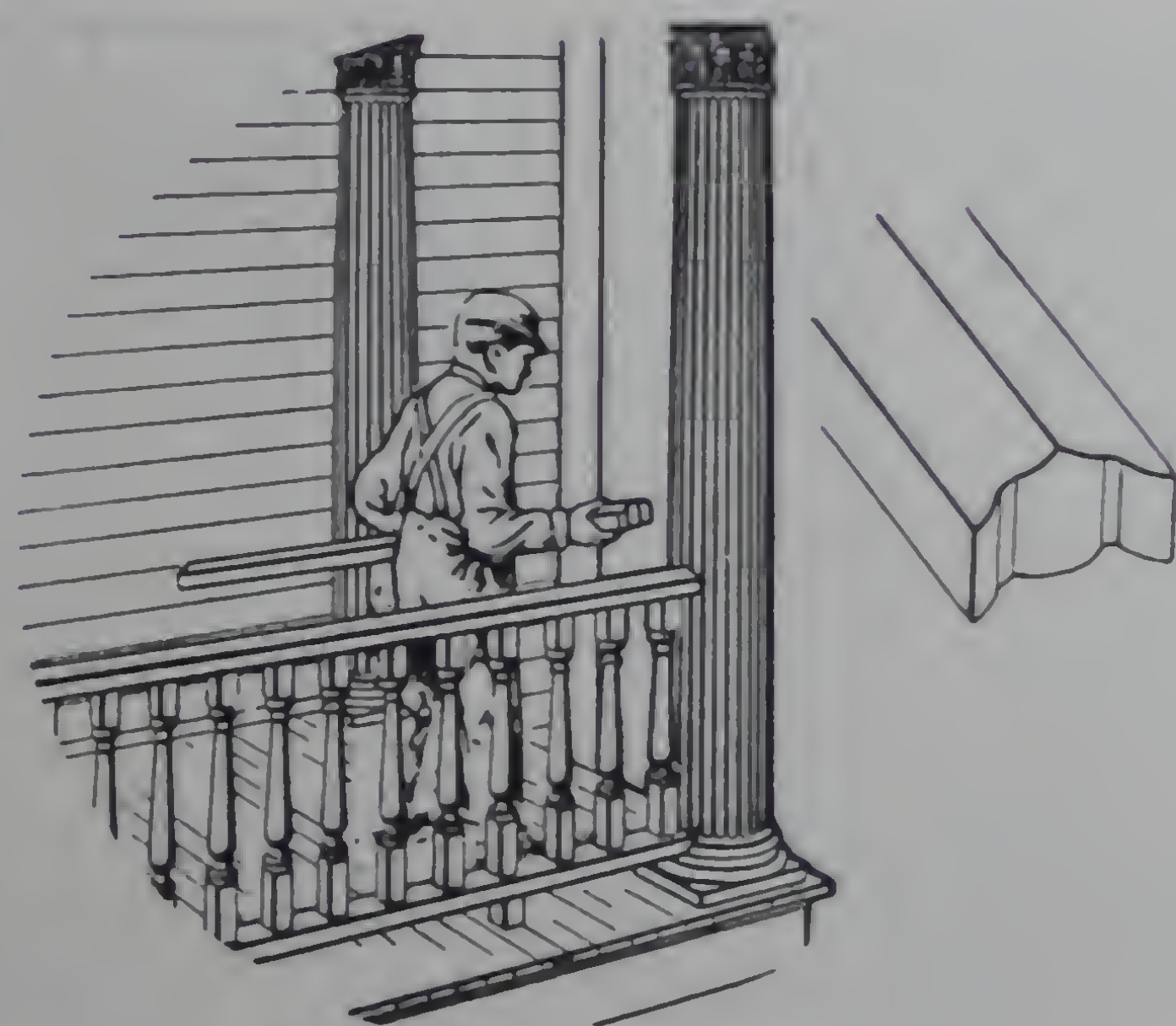
METHOD NO. 1: Where a normal weight is to be suspended, that is, where a second floor joist extends out from the building or where the balcony supporting joist is tied into the building, the columns are equipped at our factory with steel angle members. These angles are rigidly fastened to the steel columns and the extension angle used to support the joist is drilled so that heavy screws or spikes may be admitted to hold the wood joist member.

METHOD NO. 2: Where extremely heavy weights are to be suspended, we cut a section out of the steel columns at the proper heights, as indicated on architect's plans. This admits the balcony floor supporting members into the steel columns and the weight is supported by timbers (6 x 6 inches or 8 x 8 inches, etc.) as shown in drawing. Contractor inserts supporting timber when columns are being erected.



Alternative: When abnormally heavy weights are to be suspended by the whole column, it is customary to run a heavy timber (8 x 8 inches or 10 x 10 inches, etc.) from bottom to top. If balcony is to be suspended, we cut section out of column at specified height. Balcony supporting joists enter through this opening and are mortised into the sides of the upright supporting timber.

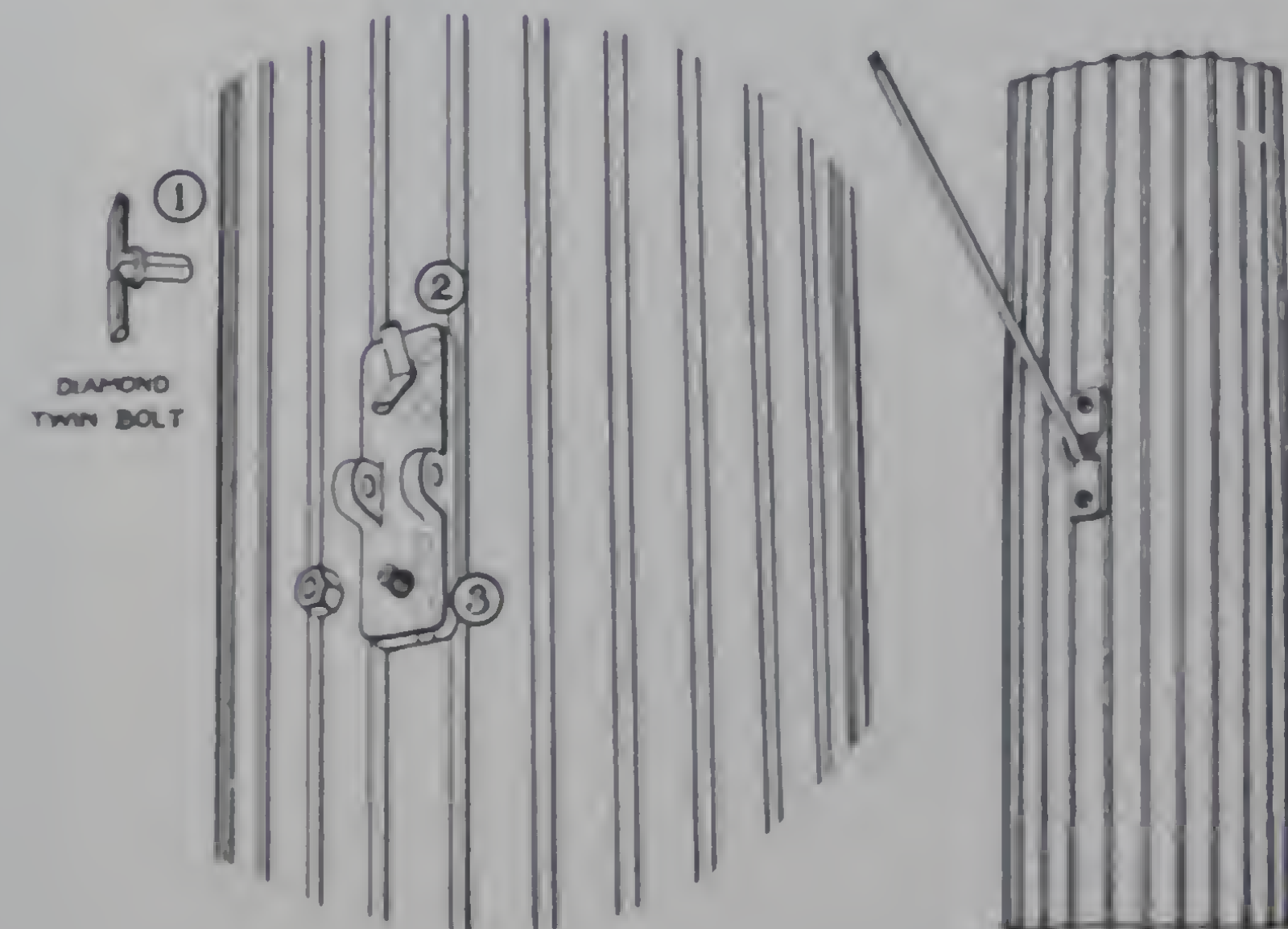
*To Erect
Balustrade
and Porch
Rail with
Union
Metal
Columns*



Cut ends of rail to fit the flutes in column, using care to make length of rail exact distance between columns at point somewhat above the final resting point. The taper of the columns will admit the rail above this point, and permit it to be forced down to the proper point. The steel flutes will then hold the rail secure.

To prevent lower rail and balustrade being raised after setting, block may be nailed between lower rail and floor.

*Method of
Attaching
Awning
Hooks to
Union
Metal
Columns*



No. 1 represents a Diamond Twin Bolt. It is shown separate from awning hook to give an idea of how it is inserted in its original form into the column.

No. 2 shows it inserted through the awning hook and column. It is partly pressed together on the outside and is opening up on inside as indicated by dotted lines.

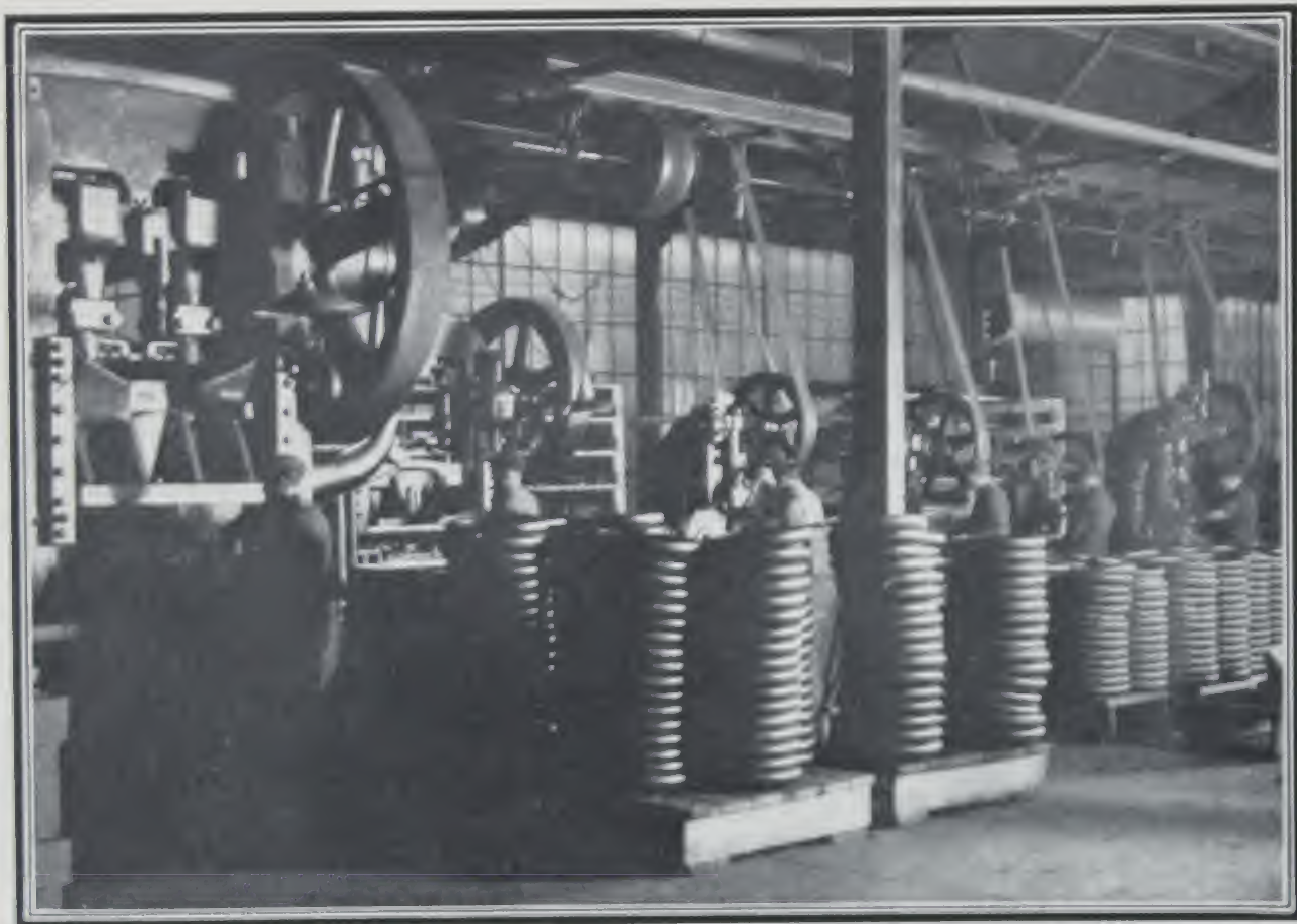
No. 3 shows twin bolt pressed together on outside and separated on inside so that the inside lugs bear against the inside of shaft. In this position the nut is placed on twin bolt and tightened. Each awning hook is held to column by two of the twin bolts.

Other sketch shows awning hook and supporting rod in place.

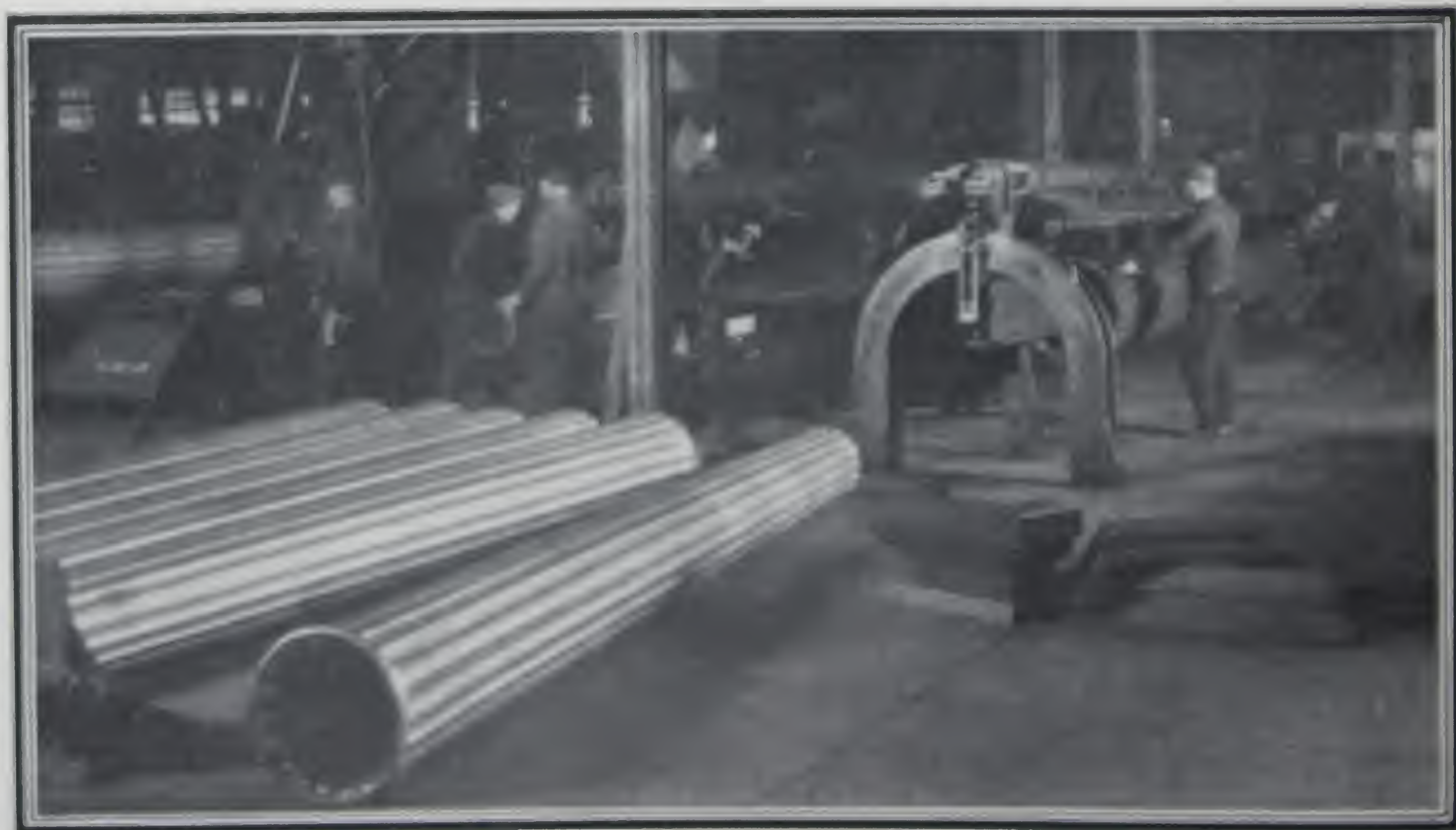


UNION METAL COLUMNS

Where Union Metal Columns Are Made



Pressing Steel Bases and Capitals of Design 240—
8-10-12 and 14 inch Diameters.



Special Machines, 50 feet long, on which flutes are rolled into large columns having diameters of 16 inches up to 42 inches and in lengths up to 55 feet. Large angular press in background, weighing 60,000 pounds, was designed to stop the flutes and press the apophyte at top and bottom of 16 inch to 42 inch diameter columns.



Design 838—3 Lts.
Design 749—5 Lts.



Design 721—9 1/2" Shaft
Design 837—7 1/2" Shaft

Union Metal Exterior Lighting Units

EXTERIOR Lighting Units are Union Metal Entrance Standards, Wall Brackets, and Exterior Newels, fully listed and described in folder entitled: "Lead Kindly Light."

These products are extensively used to light and decorate entrances to churches, schools, libraries, office buildings, apartments, garages, and all types of public buildings.

They are popular for bridge lighting, for installation around gasoline filling stations, and for the lighting of private grounds, parks and estates.

Entrance standard and bracket lighting has become so popular and necessary that on new buildings provision is usually made in the architect's specifications for this material. Likewise, we are supplying a heavy demand from buildings of all kinds already erected that feel an increasing need for better lighting effects.

The Union Metal Manufacturing Company was the pioneer manufacturer of ornamental lighting standards and is today the largest producer and distributor of this class of material in the World.

Accompanying photographs represent a few of the many beautiful designs listed in our complete folder "Lead Kindly Light." Your copy will be sent upon request.



Design 735—7 Lts.



Design 775—1 Lt.



Design 864
Small Size Octagonal
Lantern

UNION METAL COLUMNS

Patents and Trade Marks

UNION Metal Lamp Standards, Union Metal Columns, and the machines and dies used in their manufacture are covered by numerous patents and pending applications, all of which are owned by The Union Metal Manufacturing Company, Canton, Ohio, U. S. A.

Trade Mark "Union" in various forms and applications is registered in the United States, Canada, and many foreign countries. Any infringements will be promptly and vigorously prosecuted.

UNION METAL LAMP STANDARDS

